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the species above quoted are evidently very near the two extra-tropical South American ones, *Leptochloris*, Munro, and *Chloridiopsis*, J. Gay, but require much closer examination to establish their specific distinctions.

I am confident that I have both of Fournier's species from within our limits—one from Laredo, Texas, communicated by Mr. Isaac Burk, and the other the grass collected by Mr. Pringle.

North American Genera of Grasses. (See BULLETIN, Vol. ix., p. 134).—*Lepturus*, Br., is represented by *L. Bolanderi*, Thurber, No. 4,669 Bolander, collected in the Russian River Valley, California. *L. incurvatus*, Trin., has been gathered by Mr. Burk and others from the ballast grounds near Philadelphia. *L. paniculatus*, Nutt., is *Schedonnardus Texanus*, Steud., *Lepturus* stands between *Agropyrum* and *Hordeum*. In the Gramineæ of the Genera Plantarum, now in press, I am advised by Mr. Bentham that *Isachne* is brought into Paniceæ between *Beckmannia* and *Panicum*. *Polypogon* follows *Agrostis*, and *Alopecurus* is placed in Phalarideæ.

Arundo, Lin., which immediately precedes *Phragmites*, should be included in my list of North American genera. Prof. G. C. Nealley, of the State College of Texas, has recently sent me specimens of *A. Donax*, L., collected in his vicinity, where it has probably been introduced, as the species is regarded as native only of the Old World.

Girard College, Philadelphia.

F. LAMSON SCRIBNER.

Grasses Collected by Mr. Pringle.—Mr. C. G. Pringle sends an interesting lot of grasses which he has collected during the past season on the Pacific slope. These specimens, numbering about fifty species, fully sustain Mr. Pringle's character as a collector, for it is well known that no one makes better specimens or sends out more complete samples. Among the more desirable or interesting species in this lot, the following may be mentioned:

Phalaris amethystina, Trin.; *Hierochloa macrophylla*, Thurb.; *Stipa speciosa*, Trin. & Rupr.; *Epicampes rigens*, Benth.; *Gastridium australe*, P.B.; *Deyeuxia æquivalvis*, Benth. (*Agrostis*, Trin.); *Deyeuxia Bolanderi*, (Thurb.); *D. deschampsoides*, (Trin.), a species very distinct from Mr. Buckley's *Calamagrostis rubescens*, as will be seen by Mr. Pringle's specimens of the latter species; *Deyeuxia Aleutica*, (Trin.); *Aira caryophyllea*, L.; *Monanthochloë littoralis*, Engelman; *Lamarckia aurea*, Moench.; *Melica stricta*, Boland.; *Agropyrum caninum*, Reichb., a remarkable mountain form, appearing like a distinct species; and *Hordeum murinum*, L.

There are several species of *Agrostis* which have not before appeared in our western collections, and which are as yet undetermined. *Poa Pringlii* and *Diplachne viscida*, two new species discovered last year (1881), were collected in quantity in their original stations the past season.

Girard College, Philadelphia.

F. LAMSON SCRIBNER.

Notes from Chemung County, N. Y.—On the 20th of July, 1882, I visited Mutton Hill Pond, Apalachin, Tioga County, N. Y., in

search of *Polemonium caeruleum*, L., a station for it given me by C. D. Fretz, M.D. I failed to find it, want of time preventing as complete a search as I should have liked. The locality is peculiar, a pond, surrounded by a bog, elevated, I should think, from 300 to 500 feet above the river valley and in a depression; south and west sides wooded, the others clear, and no visible source to keep up the water supply. However, I was rewarded for my visit, as I found *Brasenia peltata*, Pursh., *Pogonia ophioglossoides*, Nutt., *Carex comosa*, Boott., *Potentilla palustris*, Scop., in flower, and two or three plants as yet undetermined. In May, I found *Jeffersonia diphylla*, Pers., and *Phlox divaricata*, L., near Dansville, Livingston County; *Cassandra calyculata*, Don., near Wayland; *Dentaria laciniata*, Muhl., and *Allium tricoccum*, Ait., at Cohocton, Steuben County. *Adlumia cirrhosa*, Raf., grows on the hills south of Addison, Steuben County. For this county, I can report the following as new finds: *Cardamine rhomboidea*, DC., very scarce; *Viola stricta*, Ait., one station on bank of Chemung River; *Vitis riparia*, Michx.; *Hibiscus Trionum*, L., escaped; *Lespedeza Stuevei*, Nutt.(?); *Ribes rubrum*, L.; *Trifolium agrarium*, L.; *Sanicula Canadensis*, L.; *Solidago Muhlenbergii*, T. & G.; *Polymnia Canadensis*, L., Chemung Narrows, rare; *Cichorium Intybus*, L., streets, N. Elmira City; *Mulgedium acuminatum*, DC.; *Pycnanthemum lanceolatum*, Pursh., Newtown Cr. Horseheads; *Fraxinus pubescens*, Lam., Chemung River; *Phlox divaricata*, L., one or two specimens, rare, and the most easterly station in the State known to me; *Scutellaria galericulata*, L., bank of Chemung River; *Quercus macrocarpa*, Michx., rare along the Chemung; *Acorus Calamus*, L., rare; *Sagittaria heterophylla*, Pursh., "Buttonwoods," Elmira, only station known to me; *Allium Canadense*, Kalm., bank of Chemung, Ashland township, with *Viola stricta*, Ait.; and *Carex pallescens*, L.

I have over six hundred duplicates, from this county mostly, and would be glad to exchange with other botanists, or sell sets if desired.

Elmira, N. Y.

THOS. F. LUCY.

Notes.—*Juncus acuminatus*, Michx., var. *legitimus*, Gray.—The form with proliferous heads has been very common during the past season. More specimens were found in this condition than otherwise, which I believe to be something unusual. These heads are almost invariably inhabited by large numbers of a species of aphid, which seems to find something peculiarly attractive there.

Elymus Canadensis, L.—Specimens of this also were found with proliferous heads.

Osmunda cinnamomea, L.—In the month of September I found in a meadow, from which a crop of hay had been removed early in the season, a large number of the sterile fronds of this fern, with the pinnæ contracted to a greater or less degree and bearing sori, but still distinctly retaining their foliaceous character. This condition seems to be something akin to the var. *obtusilobata* of *Onoclea sensibilis*, L. Its appearance, I have no doubt, is explained by the cutting off of the frond during its period of most vigorous growth, and the consequent shock to the vitality of the plant.